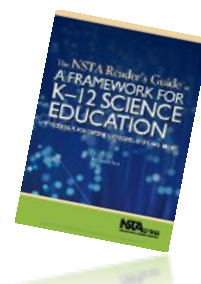


FREE Resources for Building Understanding & Awareness of the Next Generation Science Standards

The purpose of this document is to provide guidance and hyperlinks to FREE resources regarding building understanding and awareness of the [Framework for K-12 Science Education](#) and [The Next Generation Science Standards](#) (NGSS).

STEP ONE: Get to know the [Framework for K-12 Science Education](#). This document was the guide for the NGSS writing team. NSTA has a free [Reader's Guide to A Framework for K-12 Science Education](#) that is also helpful.



STEP TWO: Get to know the specifics of the Three Dimensions of the Framework and NGSS. The table below contains links to FREE NSTA articles and Web Seminars on the *Practices, Crosscutting Concepts, and Disciplinary Core Ideas*.

Practices of Science and Engineering			Crosscutting Concepts			Disciplinary Core Ideas	
Practice	Article	Webinar	Concept	Article	Webinar	Idea	Article
Overview of Practices	Link		Overview of Crosscutting	Link	Link	Physical Science	Link
Asking Questions and Defining Problems		Link	Patterns		Link	Earth/Space Science	Link
Developing and Using Models	Link	Link	Cause and Effect		Link	Life Science	Link
Planning and Carrying Out Investigations		Link	Scale, Proportion, and Quantity		Link	Engineering & Technology	Link
Analyzing and Interpreting Data	Link	Link	Systems and Systems Models		Link		
Using Mathematical and Computational Thinking	Link	Link	Energy and Matter		Link		
Construction Explanations and Designing Solutions	Link	Link	Structure and Function		Link		
Engaging in Argument from Evidence	Link	Link	Stability and Change		Link		
Obtaining, Evaluating, and Communicating Information	Link	Link					

STEP THREE: Get to know the Next Generation Science Standards. Visit the [NGSS site](#) to view the actual standards and read the multiple support documents in the Appendices.

STEP FOUR: Plan for transition. You may be interested in the [NGSS Adoption and Implementation Workbook](#) from Achieve.